

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-9 (Canceled)

10. (Original) A surface emitting semiconductor laser system, comprising:
a first cavity having a first reflector at a first end and a second reflector at a second end;
a second cavity having a third reflector at a first end and a fourth reflector at a second end;
a third cavity having a fifth reflector at a first end and a sixth reflector at a second end;
a fourth cavity having a seventh reflector at a first end and an eighth reflector at a second end;
wherein the second reflector is reflective of a first wavelength of light but transmissive of a second wavelength of light;
wherein the fourth reflector is reflective of a the second wavelength but transmissive of the first wavelength;
wherein the sixth reflector is reflective of a third wavelength of light but transmissive of a fourth wavelength of light;
wherein the eighth reflector is reflective of the fourth wavelength but transmissive of light the third wavelength.
11. (Original) The system of Claim 10, wherein the first, second, third, and fourth cavities all overlap an outcoupling aperture.
12. (Original) The system of Claim 10, wherein each cavity resonates at a different wavelength.
13. (Original) The system of Claim 10, wherein the first, third, fifth, and seventh reflectors are shallow distributed Bragg reflector gratings.
14. (Previously Presented) The system of Claim 10, wherein the second, fourth, sixth, and eighth reflectors are deep distributed Bragg reflector gratings.
- 15 - 19 (Canceled)